

MonoRab™ Anti-Adalimumab Antibody (4E12), mAb, Rabbit

PRODUCT INFORMATION

Description

Adalimumab (Humira) is a humanized monoclonal antibody that's approved by the U.S. Food and Drug Administration for the treatment of patients with rheumatoid arthritis, psoriatic arthritis, ankylosing spondylitis, Crohn's disease, ulcerative colitis, chronic psoriasis, hidradenitis suppurativa, and juvenile idiopathic arthritis. Adalimumab binds to the TNF- α (tumor necrosis factor- α), and blocks its interaction with TNF- α receptors, reducing the inflammatory response of autoimmune diseases.

Specificity

The product is specific for Adalimumab. This antibody blocks Adalimumab binding with TNF- α (Z01001, TNF- α , Human) in ELISA. The antibody is recommended as a capture antibody in a pharmacokinetic (PK) bridging assay with detection antibody GenScript, A01922-40, MonoRab™ Anti-Adalimumab Antibody (134D5), mAb, Rabbit.

Concentration

0.5 mg/ml, lyophilized with PBS, pH 7.4, containing 0.02% sodium azide. (It may be customized for bulk orders.)

Note

GenScript can customize this product per the customer's request including product size, buffer components, etc.

Reconstitution

Reconstitute the lyophilized antibody with deionized water (or equivalent) to a final concentration of 0.5 mg/ml.

Storage

The lyophilized product remains stable up to 1 year at -20 °C from date of receipt. Upon reconstitution, it can be stored for 2-3 weeks at 2-8 °C or for up to 12 months at -20 °C or below. Avoid repeated freezing and thawing cycles.

Cat. No.: A01921-40

Host: Rabbit

Size: 40 μ g

Ig Subclass: IgG

Clone: 4E12

Immunogen: Adalimumab

Purification: Protein A affinity column

Conjugation: Unconjugated

Version: 08/21/2017

** For non-clinical research use only. **

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Toll-Free: 1-877-436-7274 Tel: 1-732-885-9188 Fax: 1-732-210-0262 Email: product@genscript.com Web: www.genscript.com

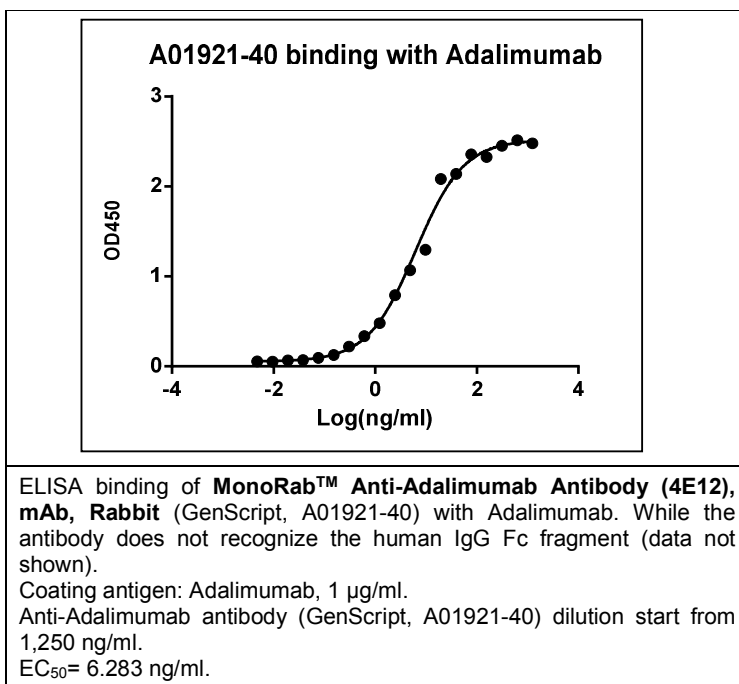
Applications

Working concentrations for specific applications should be determined by the investigators. The appropriate concentration may be affected by secondary antibody affinity, antigen concentration, the sensitivity of the method of detection, temperature, the length of the incubations, and other factors. The suitability of this antibody for applications other than those listed below has not been determined. The following concentration ranges are recommended starting points for this product.

ELISA detection: 0.01-0.1 µg/ml

Other applications: user-optimized

Example

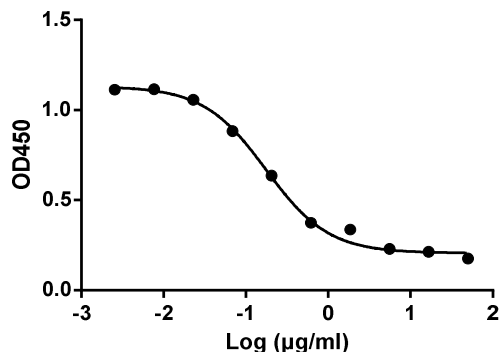


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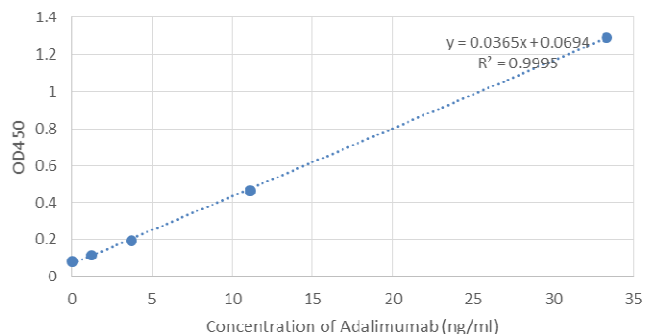
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A01921-40 Blocks Adalimumab binding with TNF- α



MonoRab™ Anti-Adalimumab Antibody (4E12), mAb, Rabbit (GenScript, A01921-40) blocks Adalimumab binding with TNF- α .
Coating antigen: Adalimumab, 0.5 µg/ml.
Anti-Adalimumab Antibody (4E12), mAb, Rabbit (GenScript, A01921-40) final concentration: 3.5 ng/ml.
TNF- α dilution start from 50 µg/ml.
IC₅₀= 175.4 ng/ml.

Standard curve of Adalimumab Sandwich ELISA



Standard curve of Adalimumab Sandwich ELISA. The Adalimumab Sandwich ELISA assay is developed by using **MonoRab™ Anti-Adalimumab Antibody (4E12), mAb, Rabbit** (GenScript, A01921-40) and **MonoRab™ Anti-Adalimumab Antibody (134D5), mAb, Rabbit** (GenScript, A01922-40) as the capture and detection antibodies, respectively. These two antibodies could be used to development Sandwich ELISA Kit.
In this ELISA assay, **MonoRab™ Anti-Adalimumab Antibody (134D5), mAb, Rabbit** (GenScript, A01922-40) was labeled with Biotin. GenScript can provide customized conjugation services for this product per customer's request.
The sensitivity is <2 ng/ml and the detection range is 0-33 ng/ml.

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